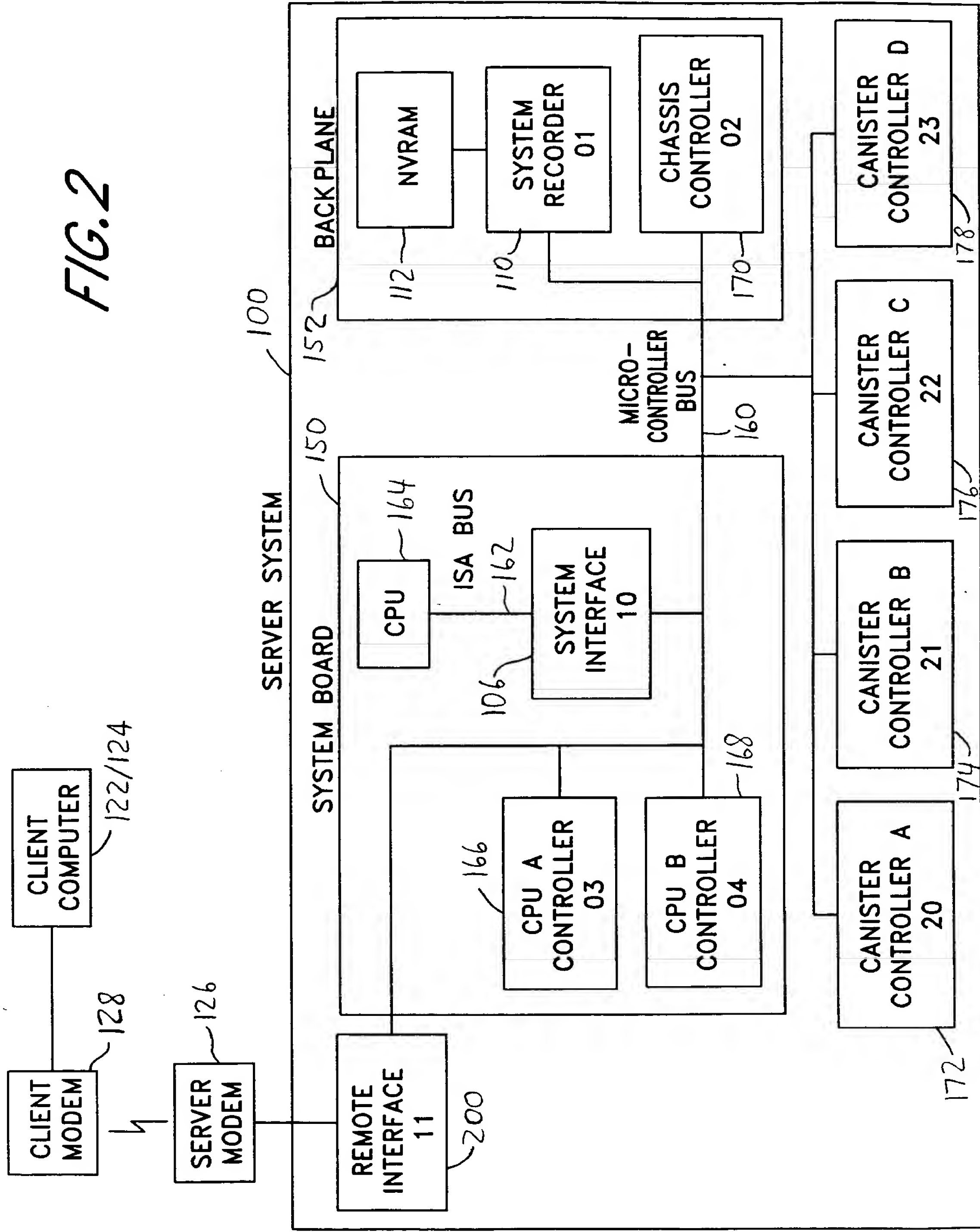


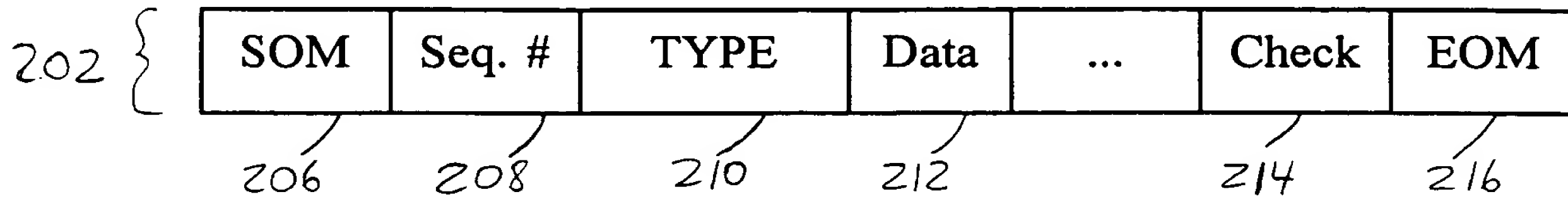
FIG. 1



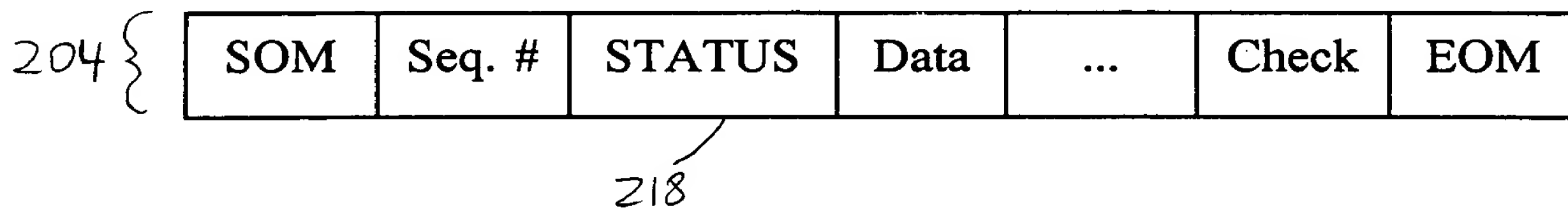
# Remote Interface Serial Protocol Message Formats

201  
↓

## Request:



## Response:



## Event Interrupt

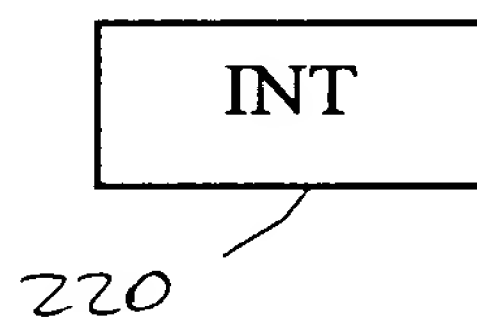


FIG. 3

POWER-ON PROCESS

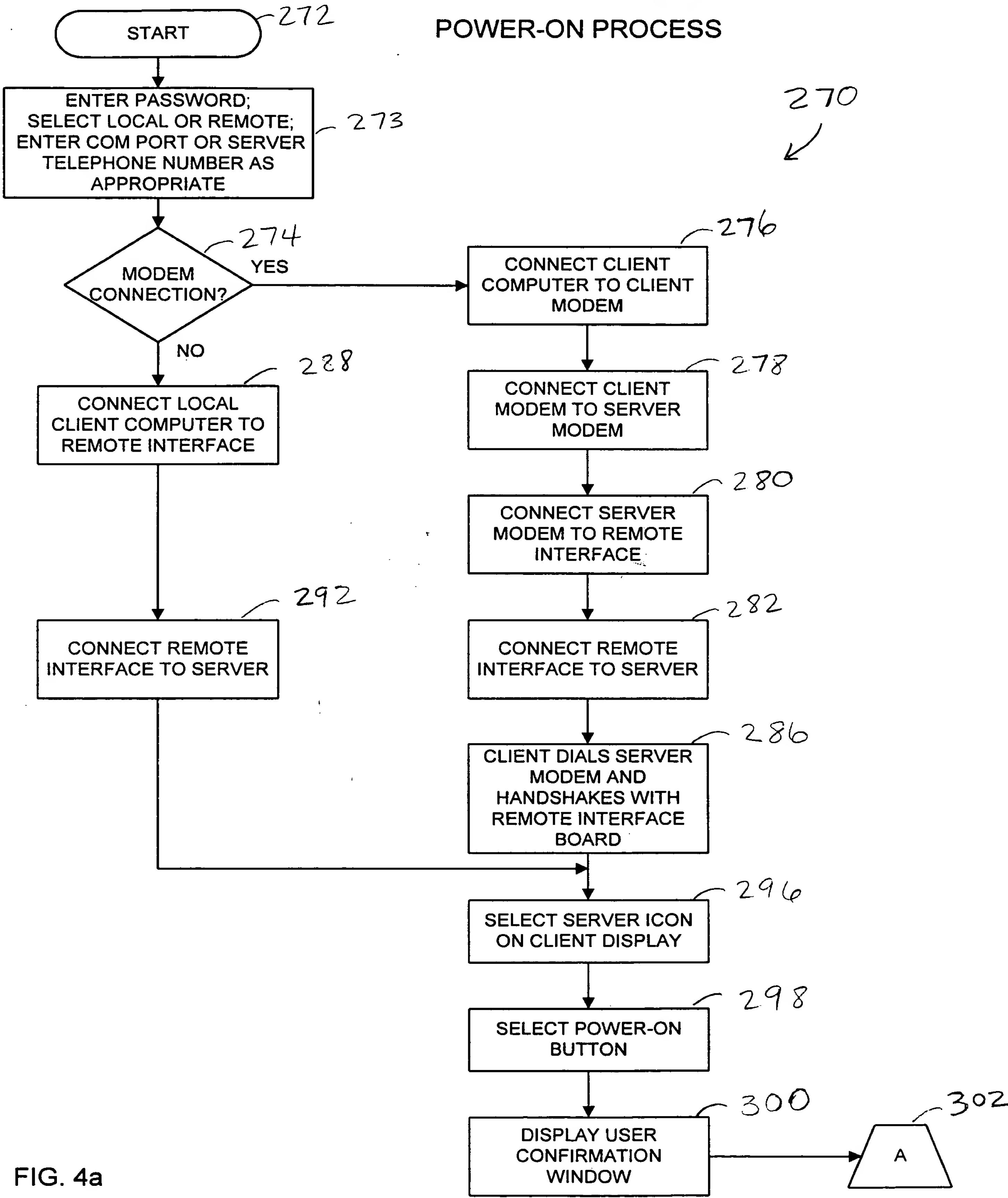


FIG. 4a

464097 24680

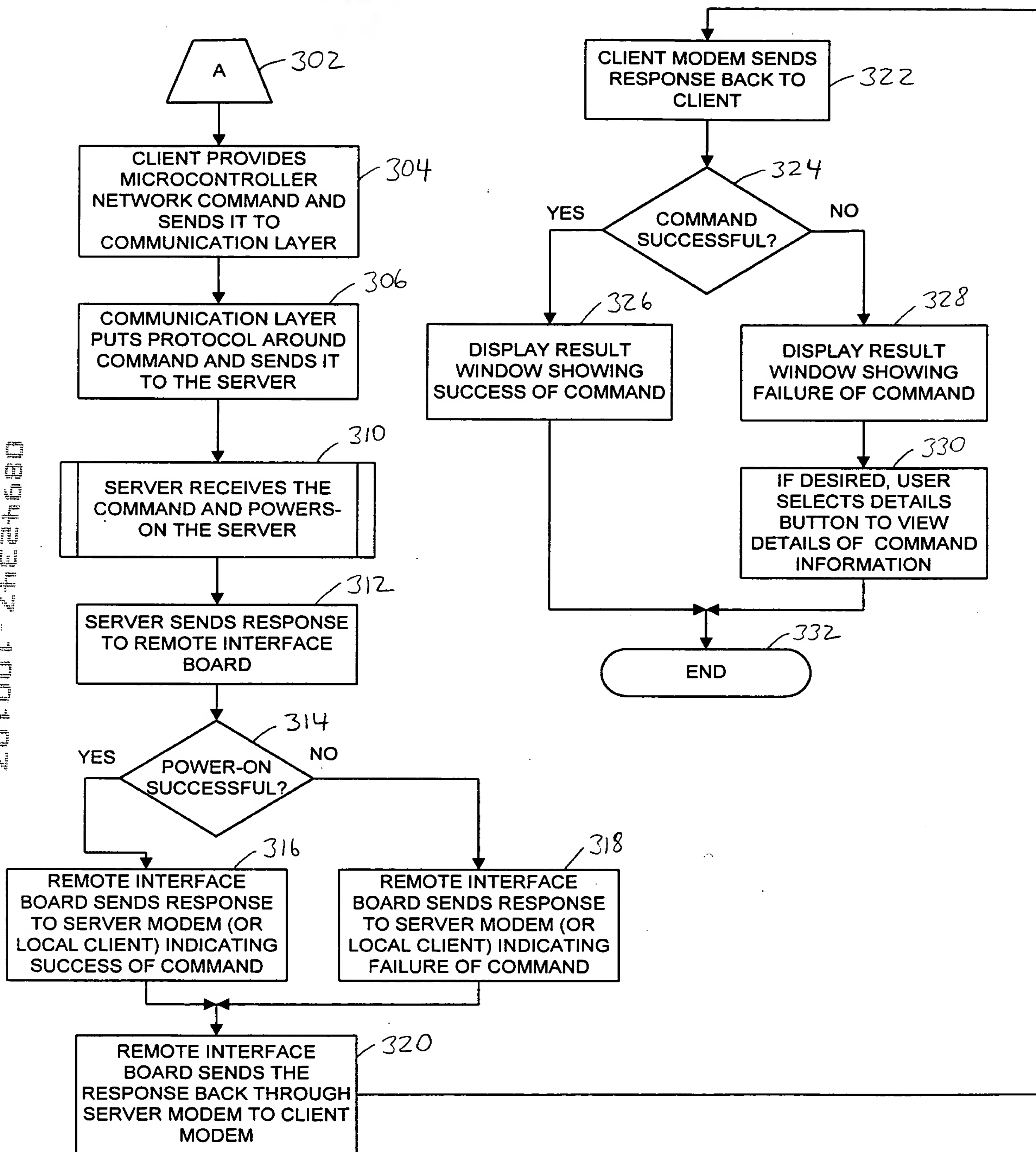


FIG. 4b

20040424

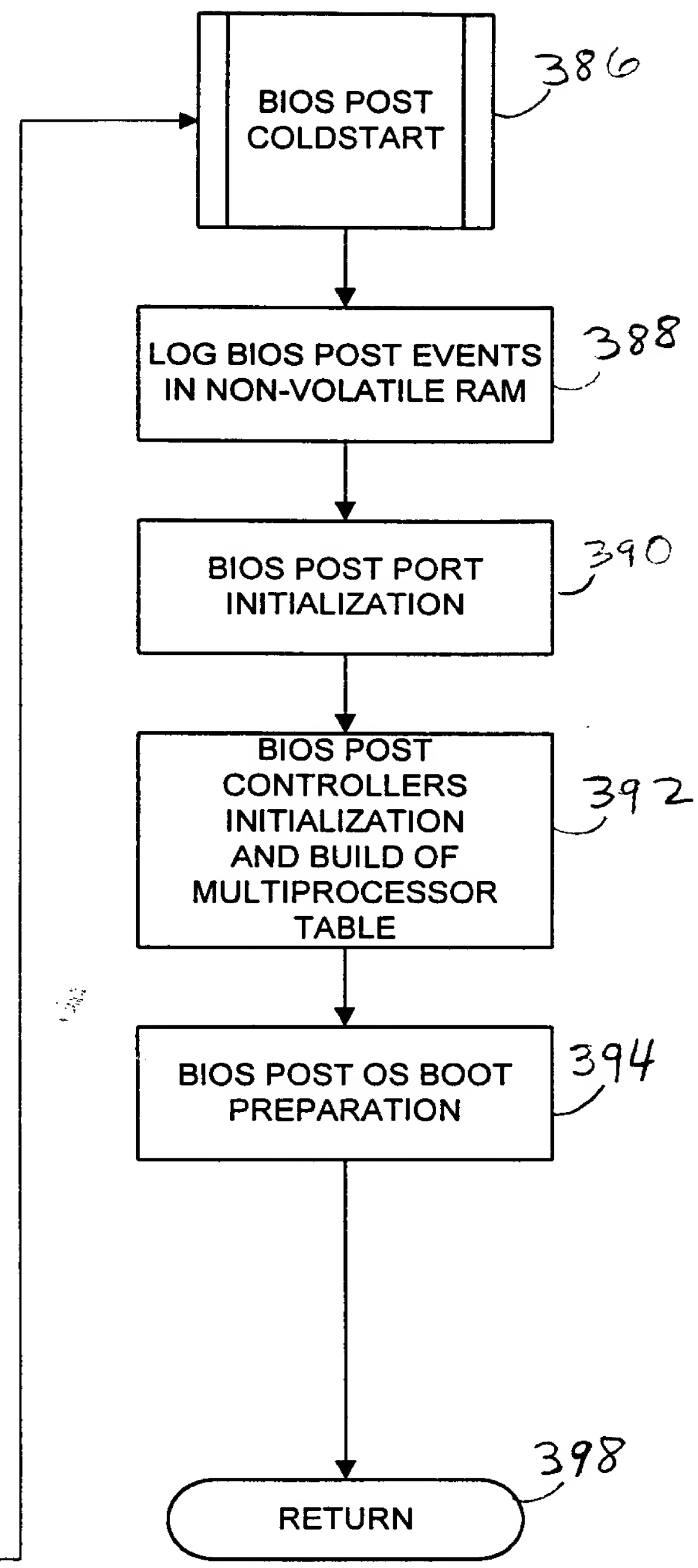
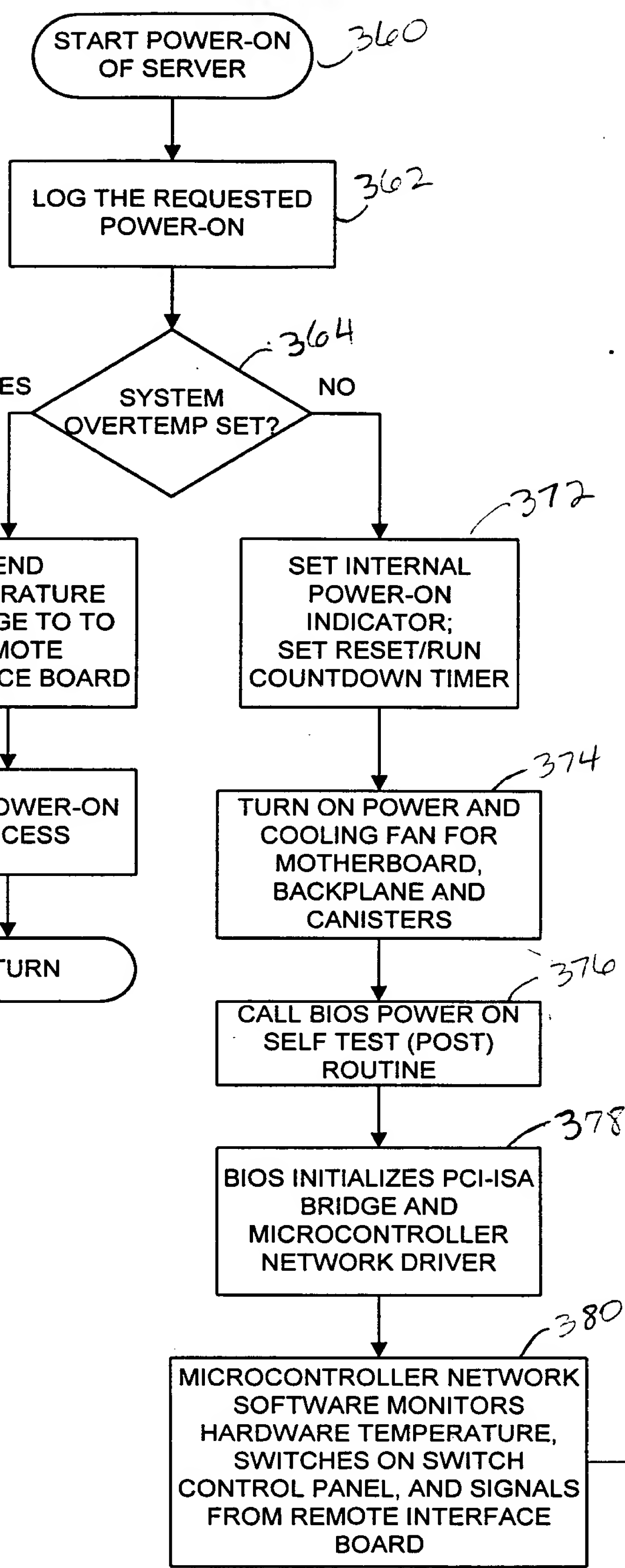
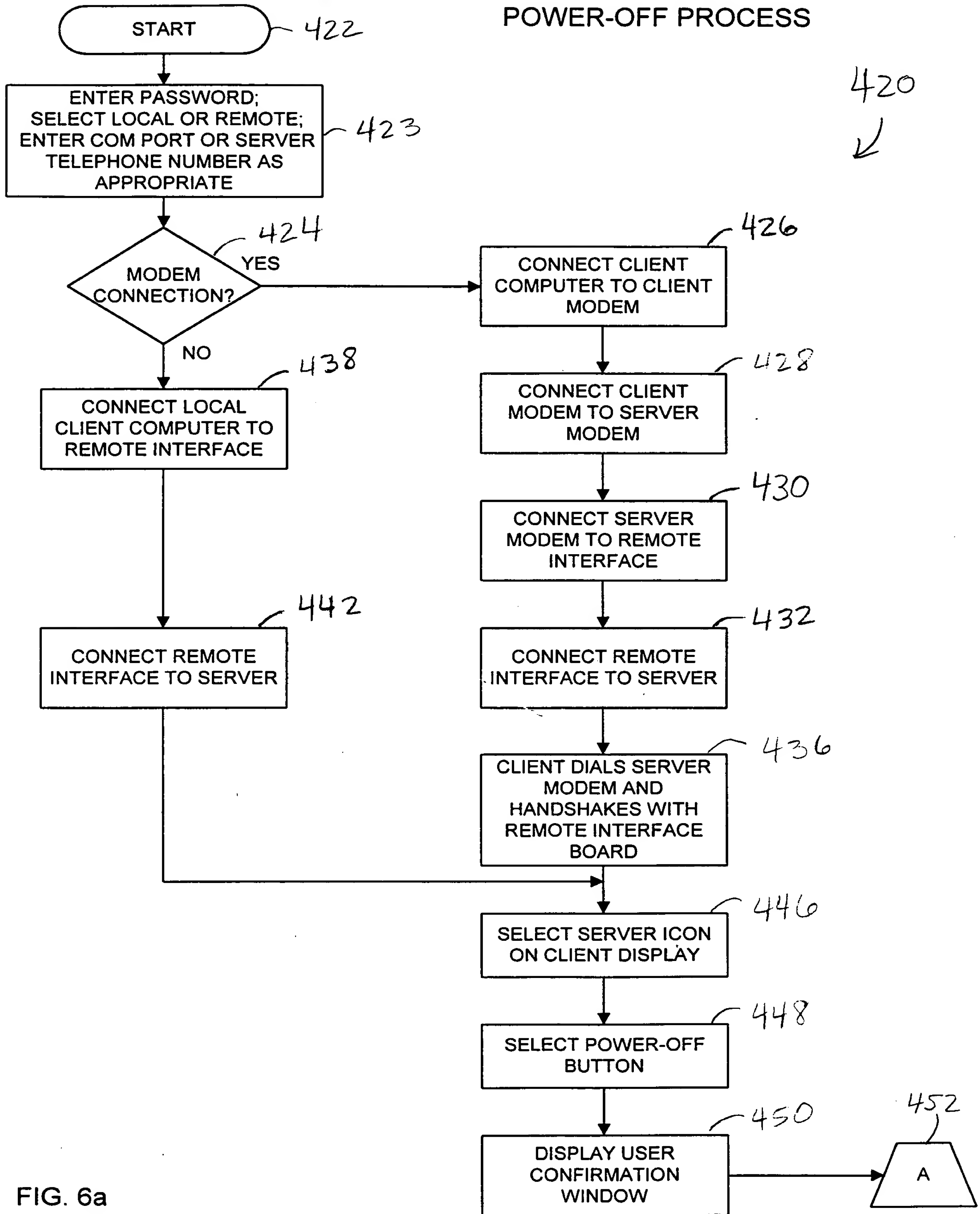


FIG. 5

2025 RELEASE UNDER E.O. 14176

# POWER-OFF PROCESS



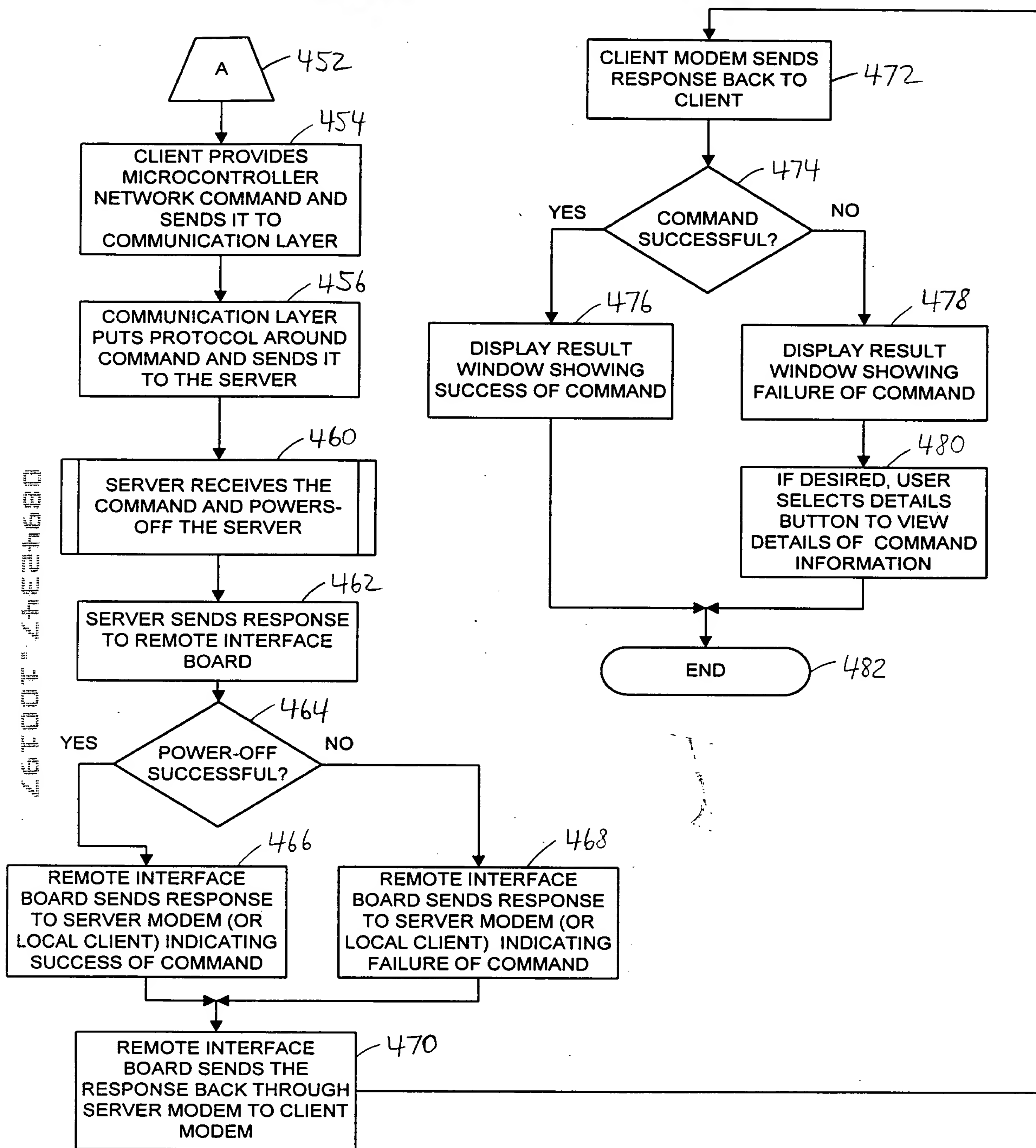
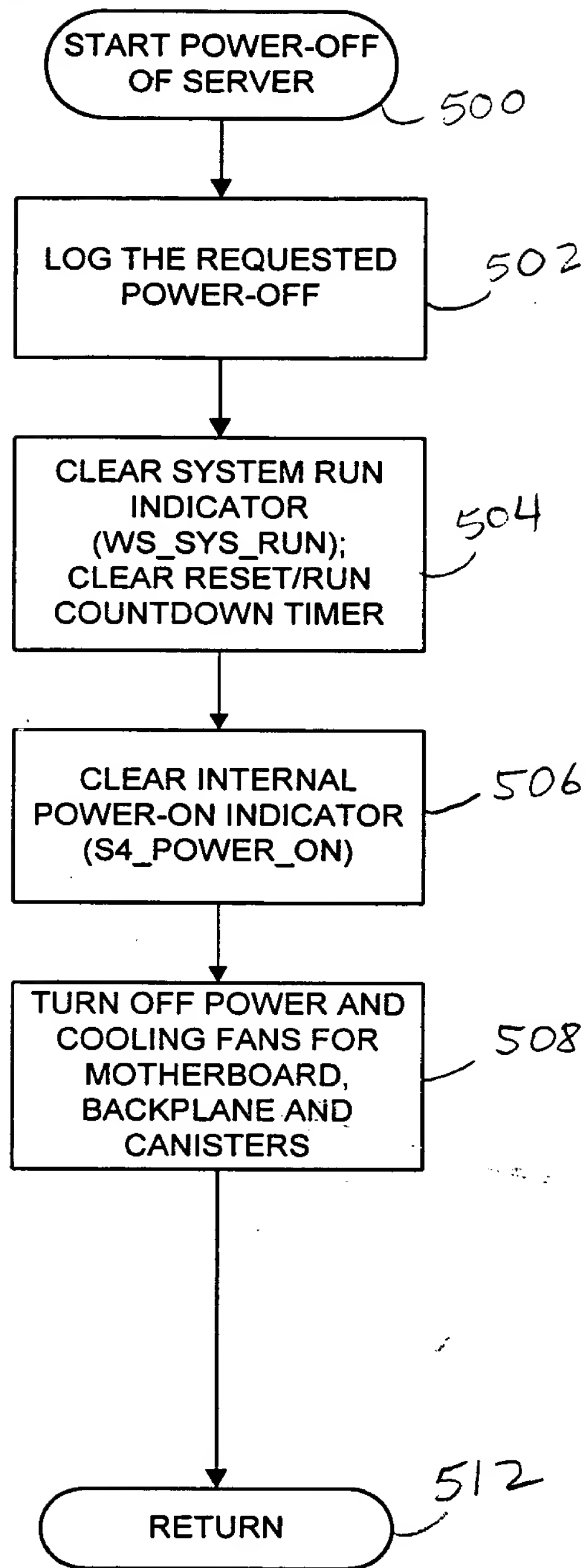


FIG. 6b



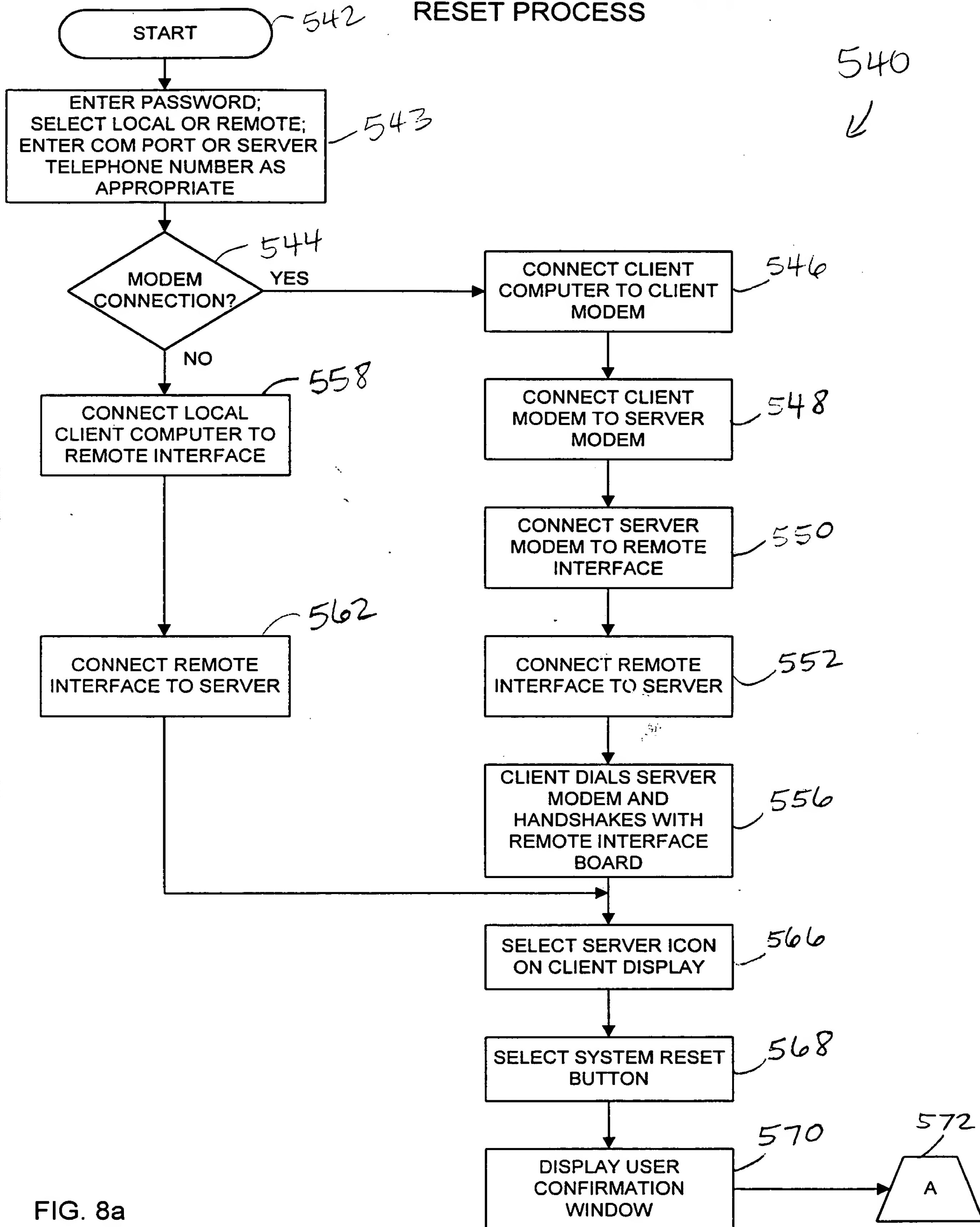


460  
↓

FIG. 7

2025 RELEASE UNDER E.O. 14176

# RESET PROCESS



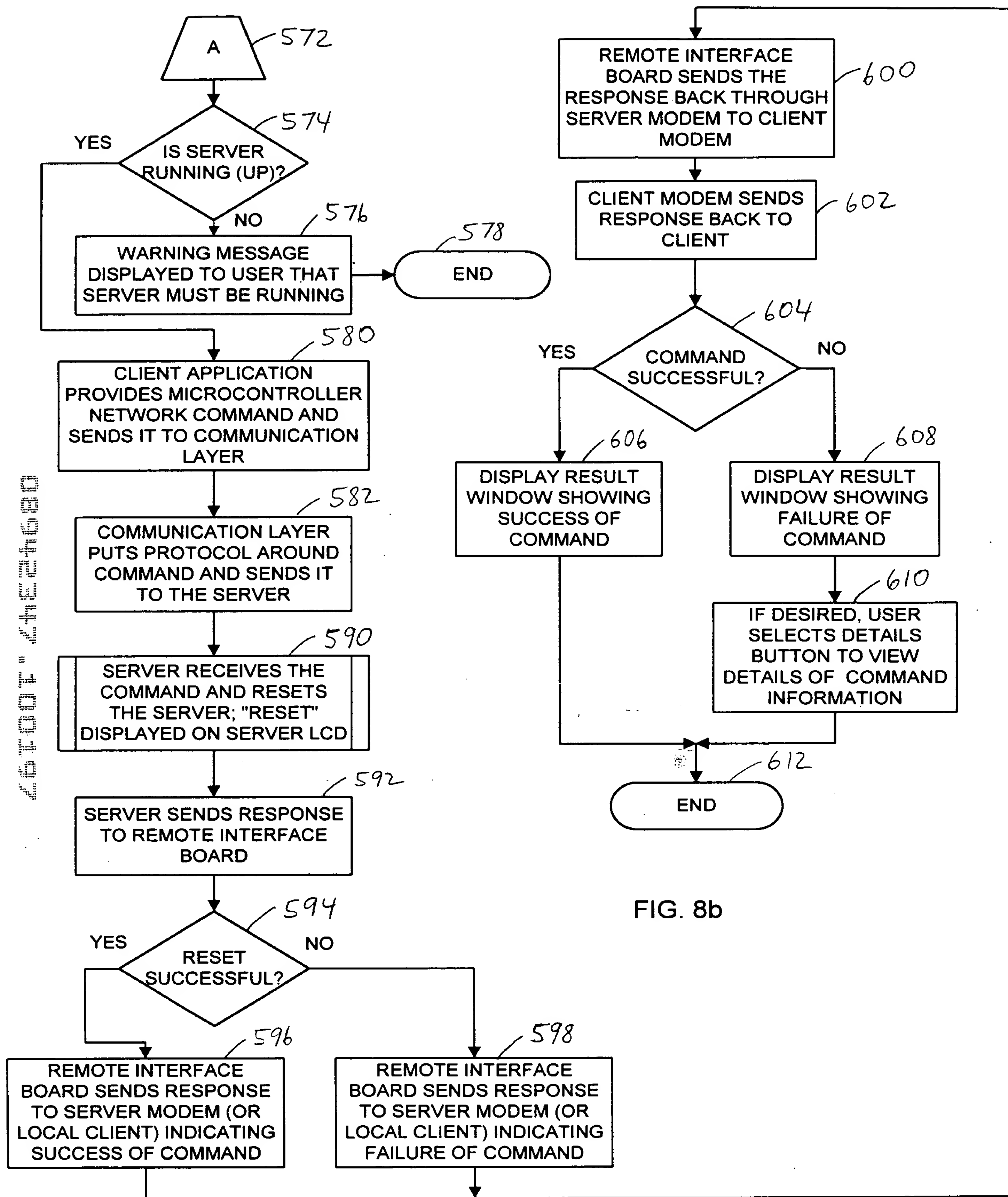
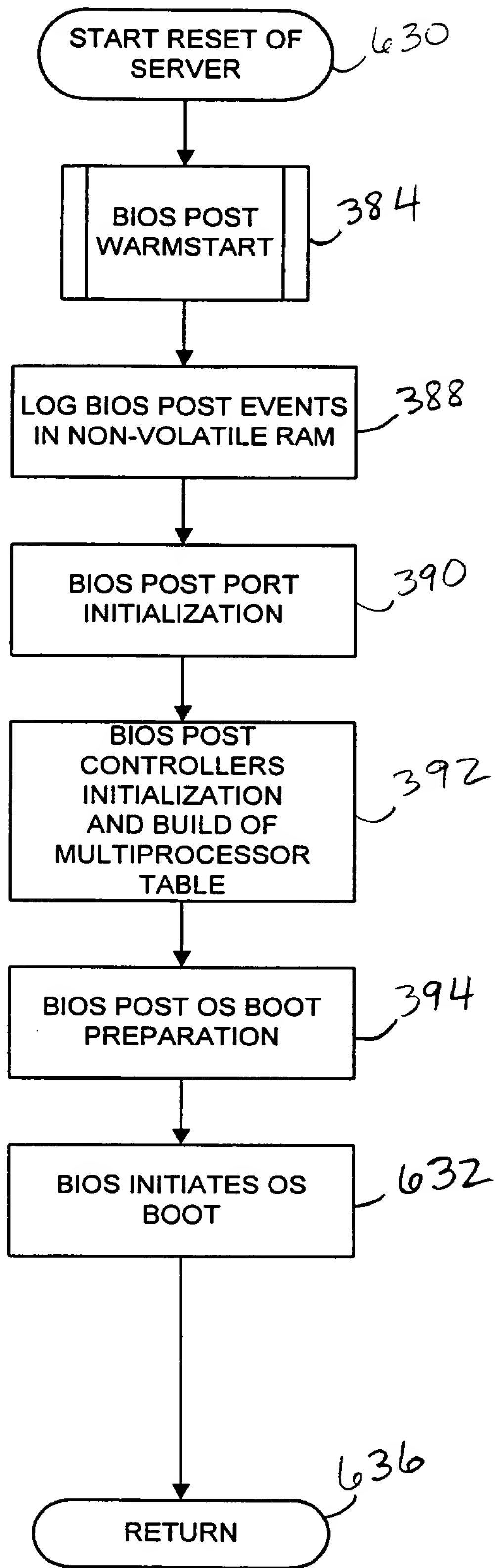


FIG. 8b



590  
↙

FIG. 9

# DISPLAYING FLIGHT RECORDER PROCESS

670

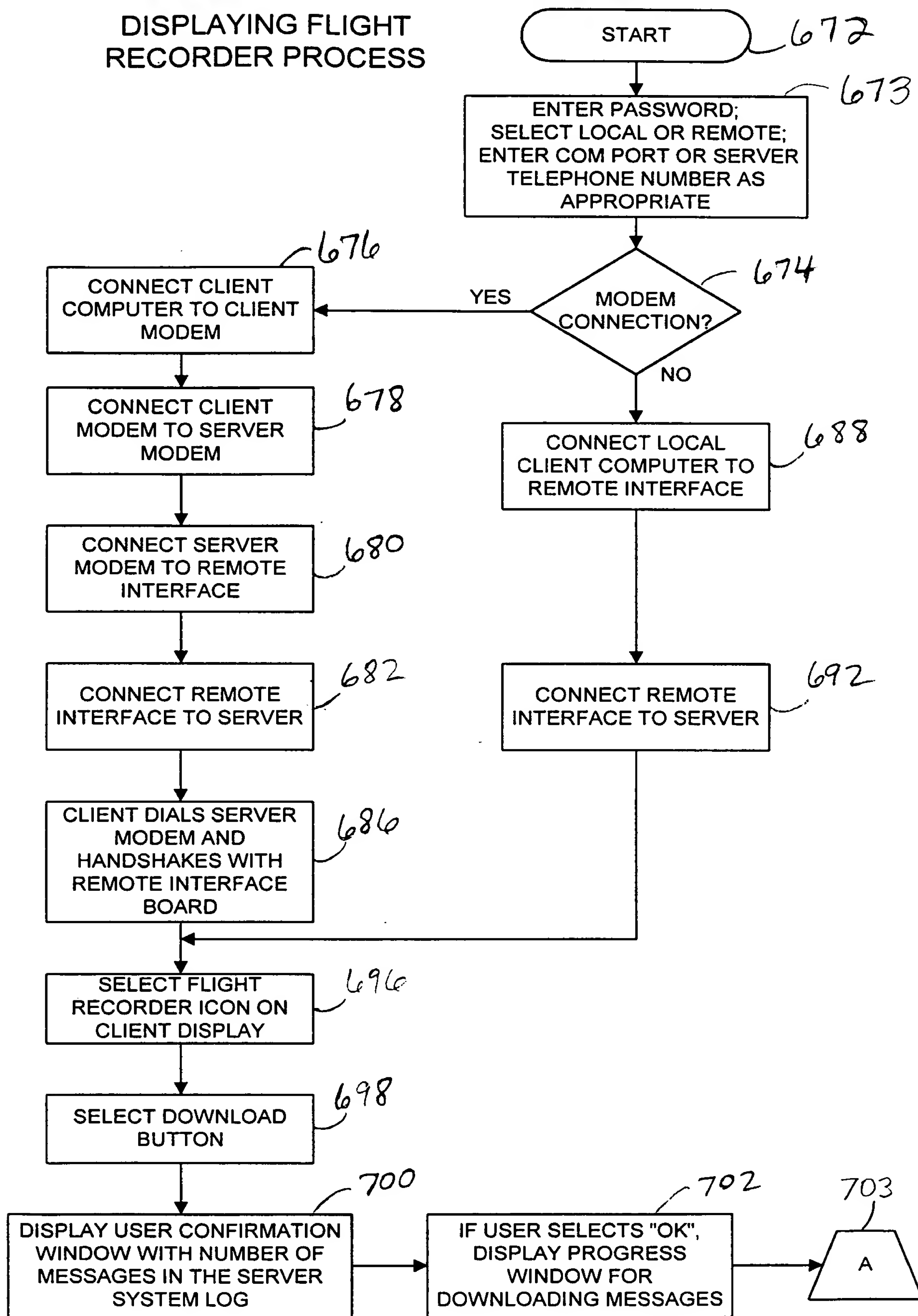


FIG. 10a

20250124 24680

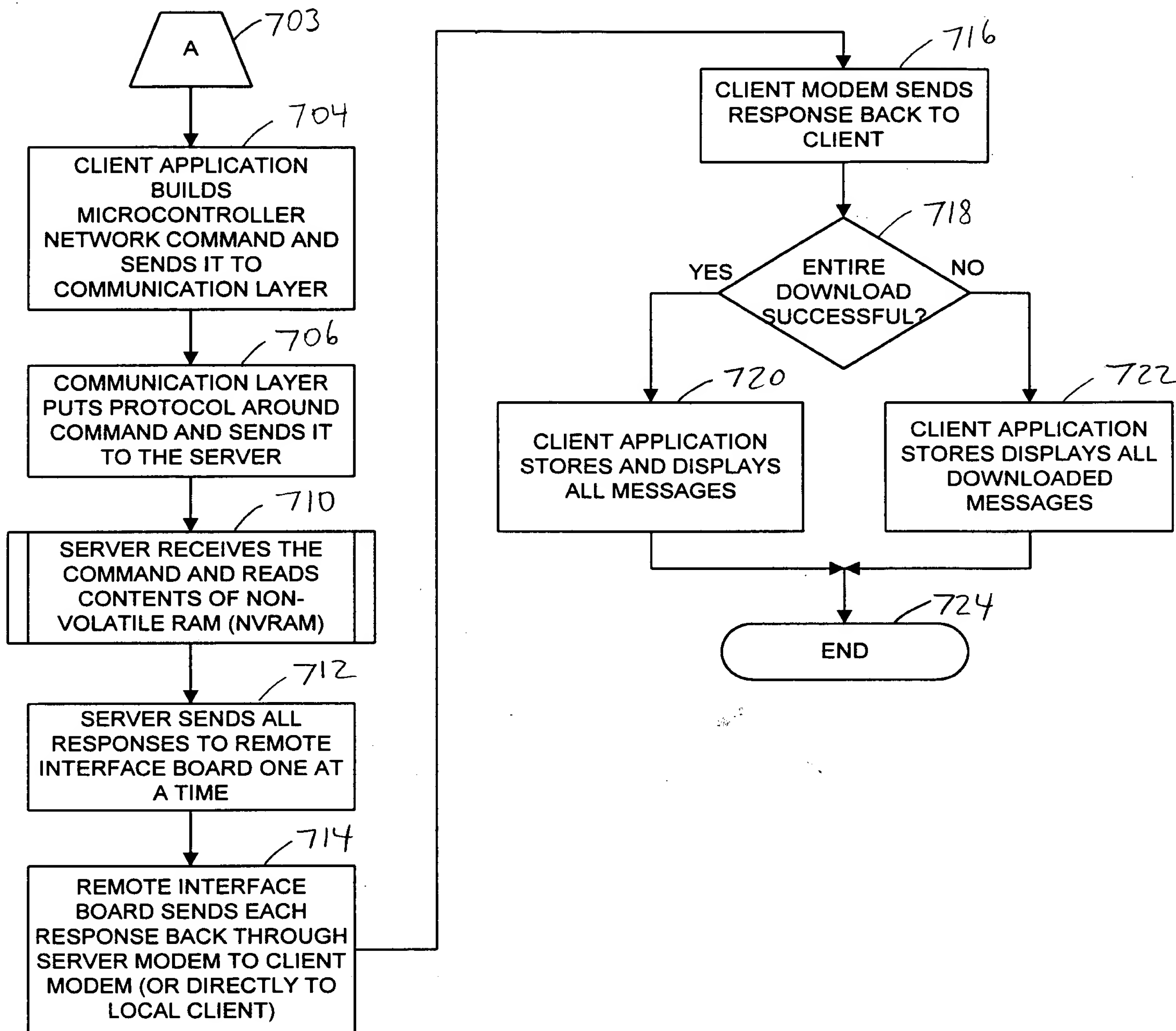


FIG. 10b

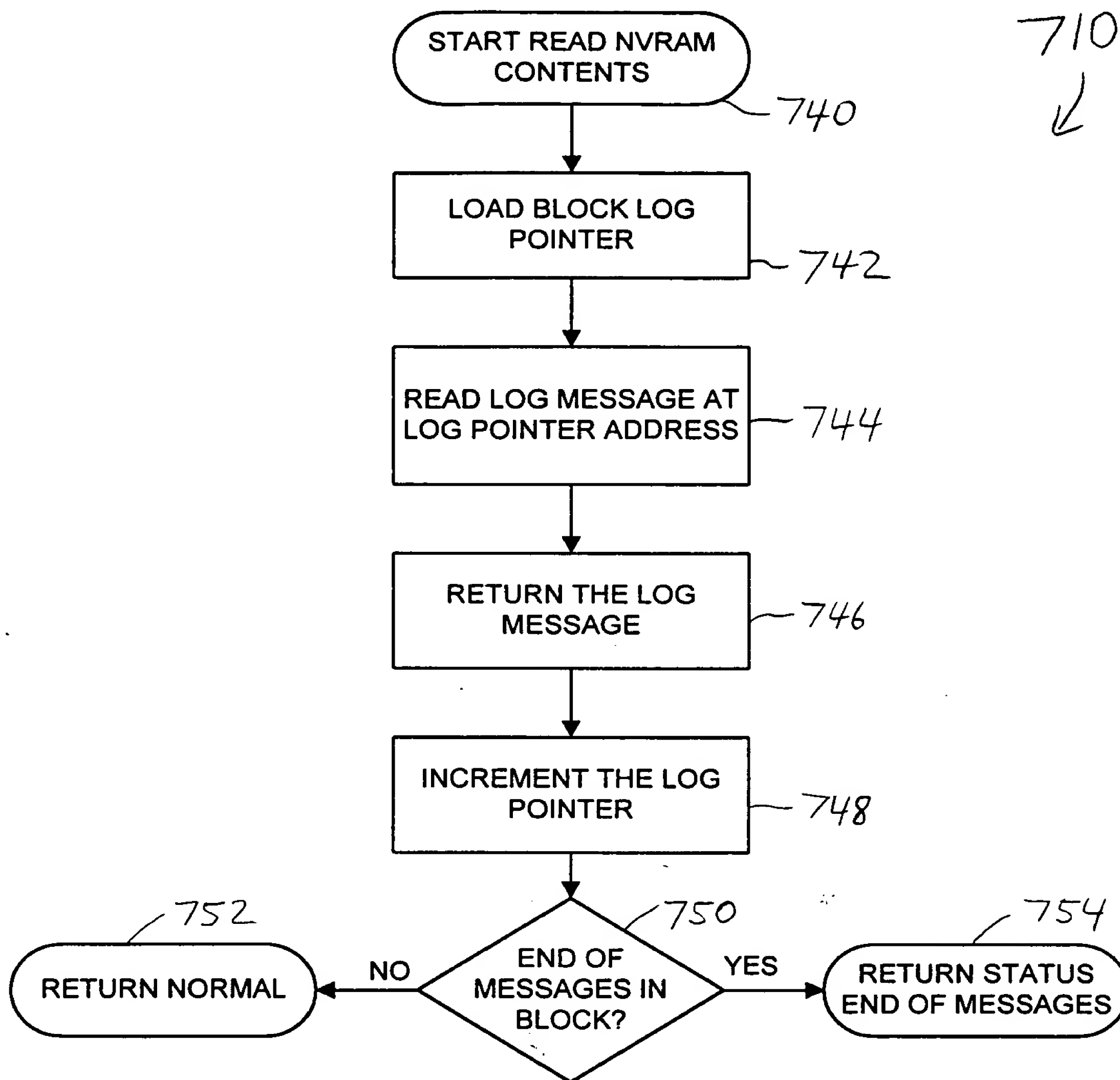


FIG. 11

# Microcontroller Network Bus 160

A

Backplane

Power from Bias +5v

170

Chassis  
Controller

PIC16c74

Analog

Chassis Type Detection  
Canister SN Detection  
Motherboard SN Detection  
Backplane SN Detection  
PS Control/Monitoring  
PS On Switch  
PS On Signal  
PS SN Detection  
PS DC OKs  
PS AC OKs  
Power Voltage Level Detection  
+3v +5v +12v -12v VRef  
Power from Bias +5v  
Exhaust Temp (4/2 wire Detectors)

Temperature Detector (2) On Backplane

Temperature Detector (2) On Motherboard

Ambient Temp (1/2 wire detector)

Temperature Detector (2) On Motherboard

Power from Bias +5v

System  
Recorder

PIC16c65

110

Non Volatile RAM

Address  
Data  
R/W/E

Power from Bias +5v

Timer Chip

Reset  
Data  
Clock

Power from Bias +5v

Canister Card

Canister  
Controller

PIC16c65

172

Canister Address Detection  
I/O Processor NMI

PCI Card Power Control

JTAG Control

FRU/Fan Fault LEDs (2)

Fan  
Mux

Fan Speed Detection

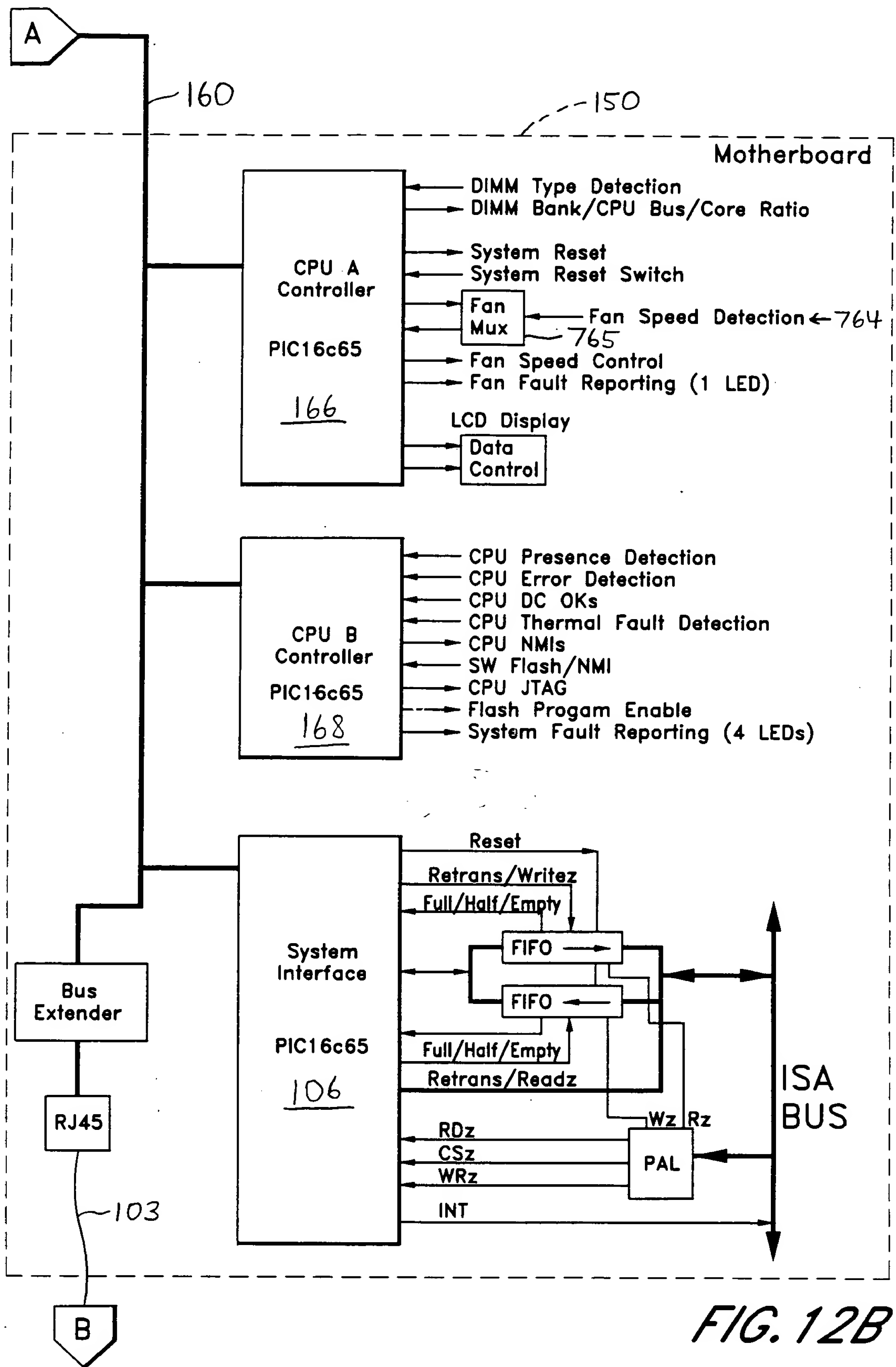
Fan Speed Control

PCI Ext Bd Detection

I/O Processor SN Detection

FIG. 12A





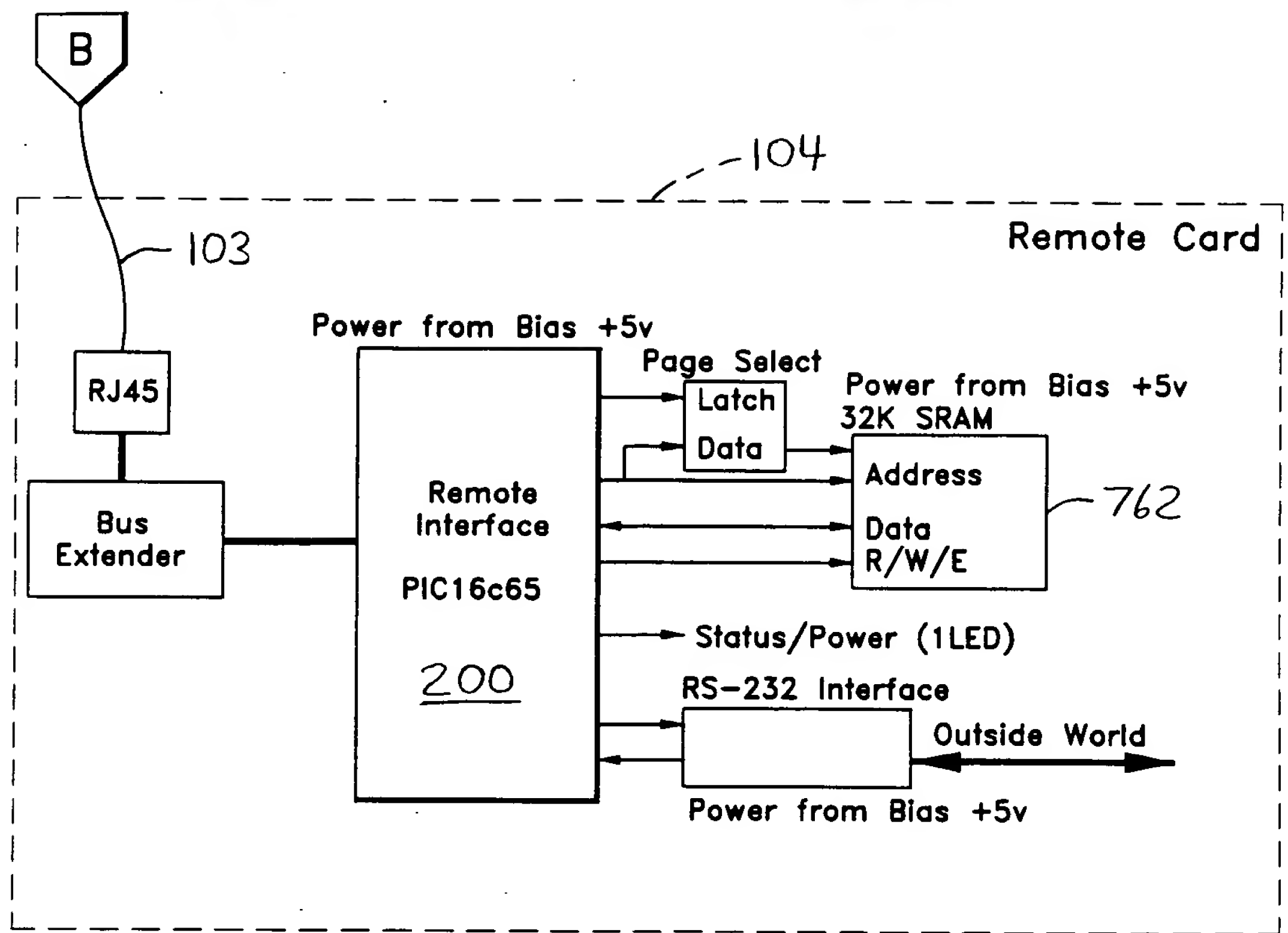


FIG. 12C

# SYSTEM STATUS

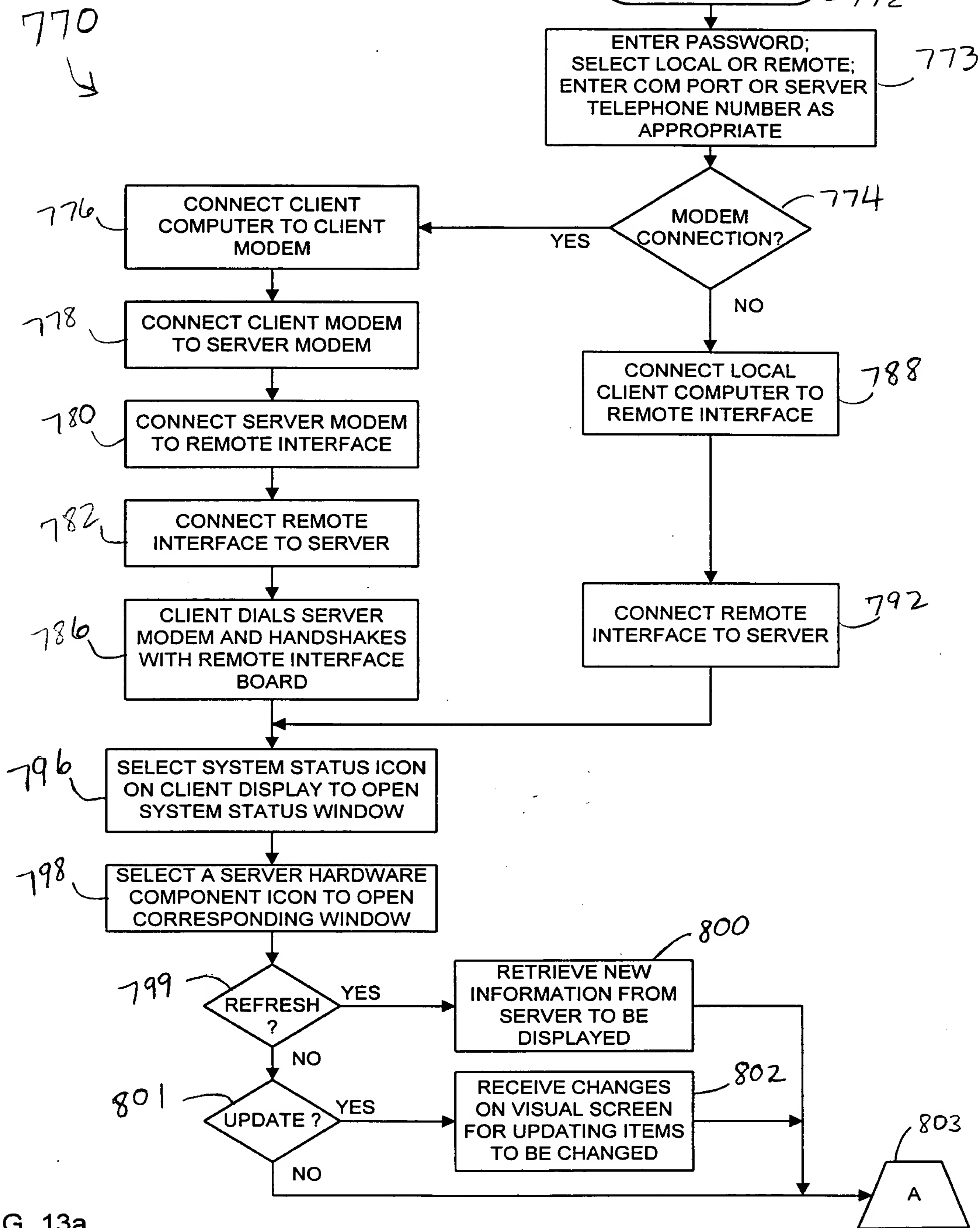


FIG. 13a

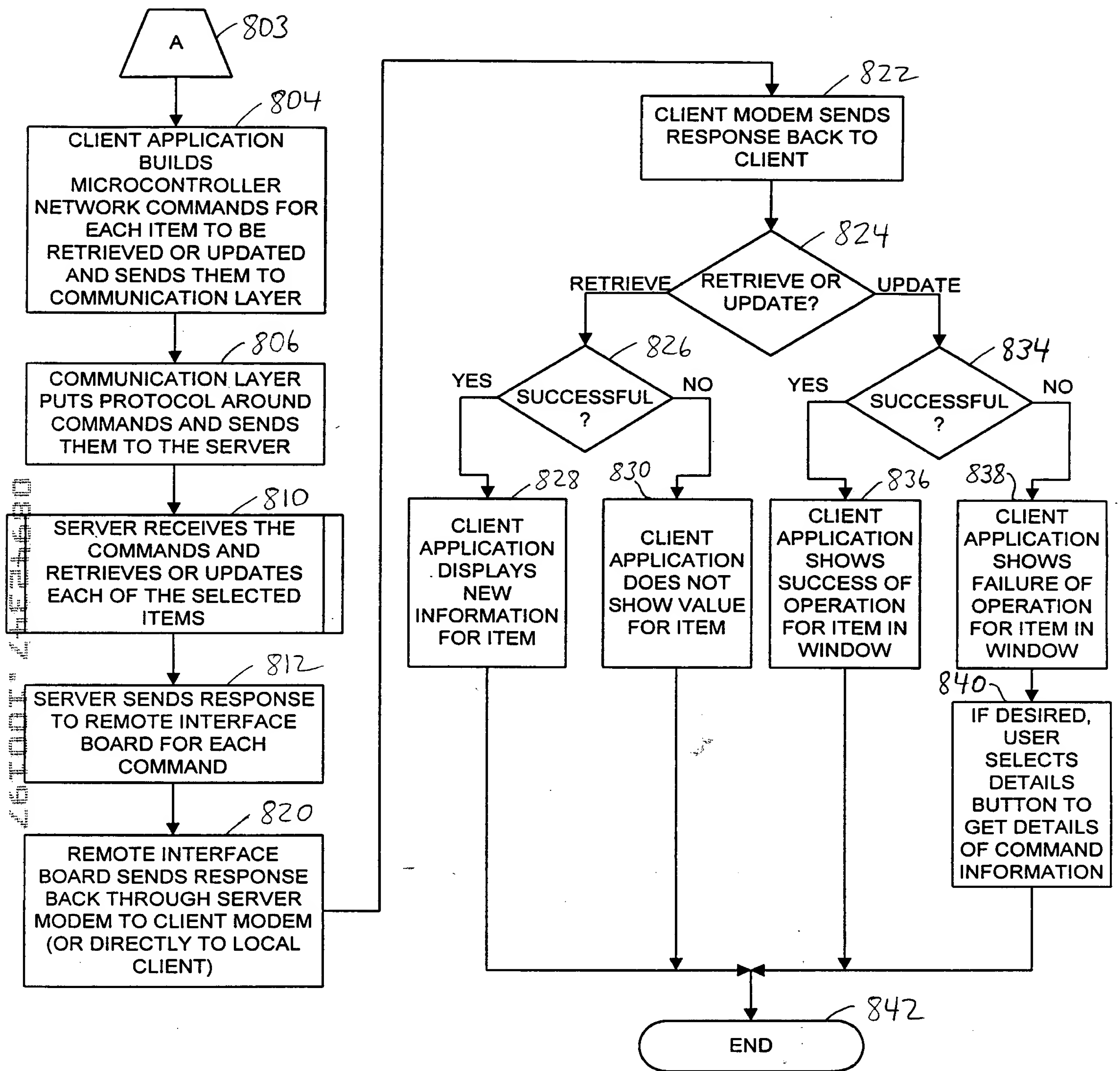


FIG. 13b

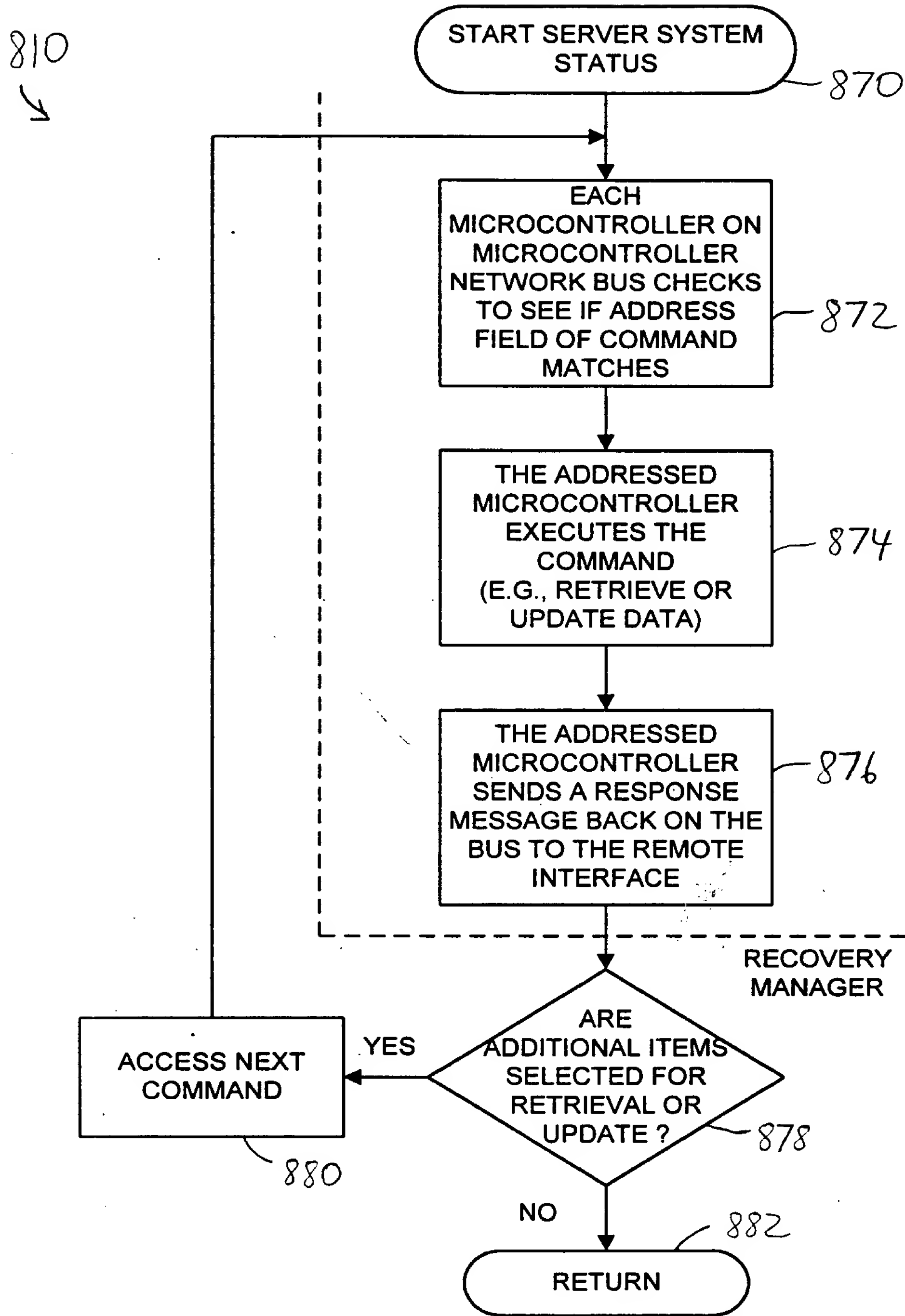


FIG. 14



26T00T" 2+1E2+680

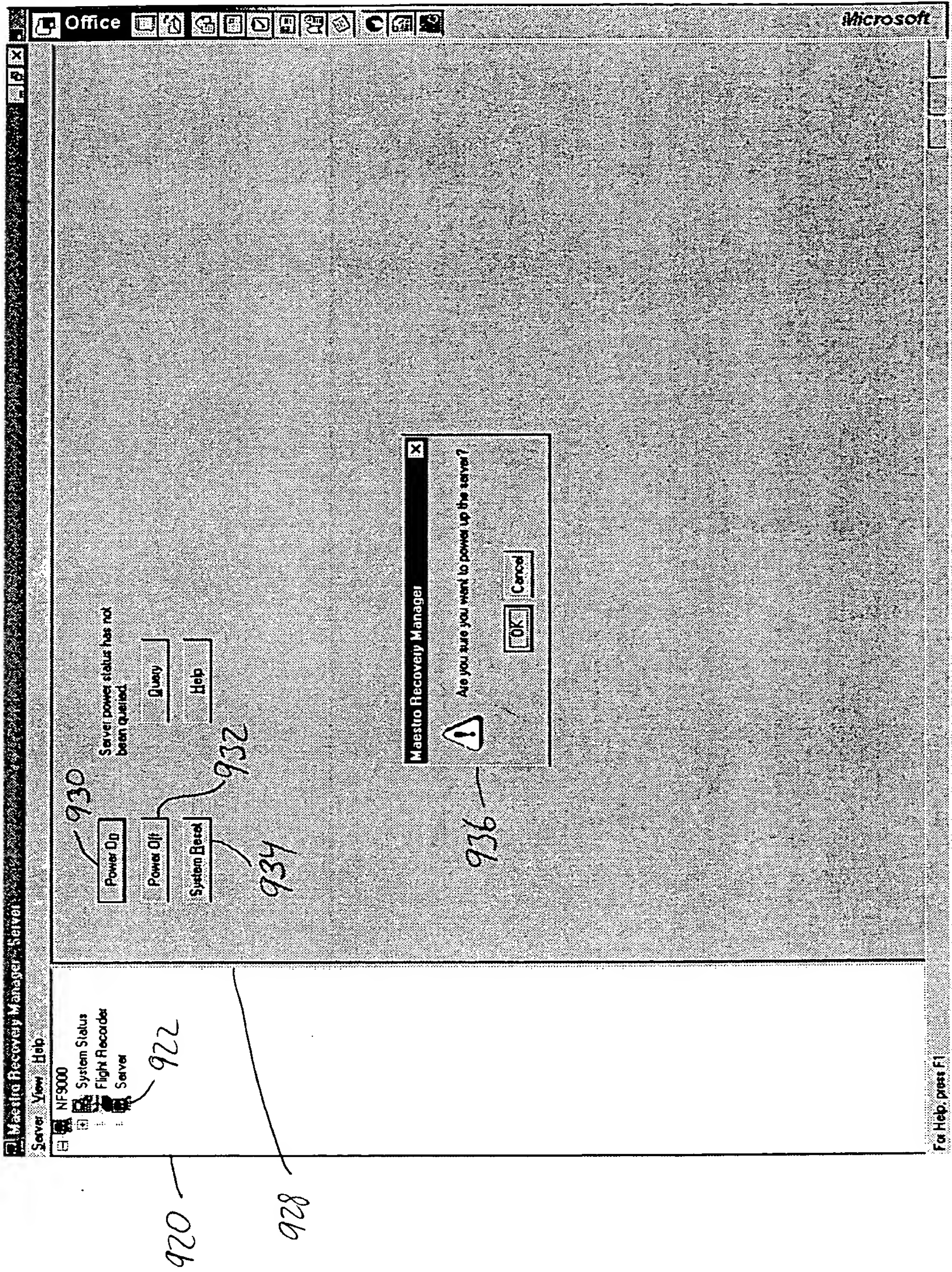


FIG. 15



946 948 950 952

Maestro Recovery Manager - Flight Recorder

Server View Help

NFS000

System Status

Flight Recorder

Server

Time Stamp	Severity	Message Source	Message
1997 Aug 29 04:10:45	Error	Wire Service Internal	0x9002
1997 Aug 29 04:10:44	Informational	Wire Service Internal	0x6010
1997 Aug 29 04:10:28	Warning	Wire Service Internal	0x6011
1997 Aug 29 04:07:05	Informational	BIOS	Verify Real Mode
1997 Aug 29 04:04:17	Informational	BIOS	Erase F2 key prompt

Download...

Save...

Print

Help

For Help, press F1

940

942

944

954 956 958

FIG. 16

Maestro Recovery Manager - System Status

Server View Help

970

NFS000

System Status

- Power Supplies
- Temperatures
- Fans
- Processors
- I/O Canisters
- Serial Numbers
- Revisions
- Flight Recorder
- Server

960

Power Supplies 972

Temperatures 974

Fans 976

Processor 978

I/O Canisters 980

Serial Numbers 982

Revisions 984

Figure 17



985 986 987 988 989 990 991

Maestro Recovery Manager - Fans

Server View Help

- NF9000
- System Status
- Power Supplies
- Temperatures
- Fan
- System Board
- Canister A
- Canister B
- Canister C
- Canister D
- Processors
- I/O Canisters
- Serial Numbers
- Revisions
- Flight Recorder
- Server

976

1000

994

960

Figure 18

Location	Fan	Speed	Speed Control	Fault Indicator LED	Fault	Low-speed fault threshold speed
System Board	1	4740	high	ON	YES	4740
	2	5160			YES	
	3	4260			YES	
	4	8520			YES	
	5	9540			no	
	6	480			no	
Canister A	1	4740	high	ON	no	4740
	2	5160			no	
Canister B	1	4740	high	ON	no	4740
	2	5160			no	
Canister C	1	4740	high	ON	no	4740
	2	5160			no	
Canister D	1	4740	high	ON	no	4740
	2	5160			no	

992

Refresh

Help



# Maestro Recovery Manager - Canister A

Server View Help

NF9000

- System Status
- Power Supplies
- Temperatures
- Fans
- System Board
  - Canister A**
  - Canister B
  - Canister C
  - Canister D
- Processors
- I/O Canisters
- Serial Numbers
- Revisions
- Flight Recorder
- Server

1008 Canister Present



Fan 1

Speed	4740
Fault?	No

Fan 2

Speed	5160
Fault?	No

Low speed fault threshold speed

4740

Speed Control

Low	High
-----	------

Fault indicator LED? ON

1004

1010

1006

1002

Refresh

Update

Help

1012

1024

Figure 19